

Environmental Protection Agency

Pt. 63, Subpt. ZZZZ, Table 5

| For each . . .     | Complying with the requirement to . . .  | You must . . .  | Using . . .   | According to the following requirements . . .  |
|--------------------|--|---|---|--|
| 3. Stationary RICE | a. Limit the concentration of formaldehyde or CO in the stationary RICE exhaust. | <p>iv. Measure formaldehyde at the inlet and the outlet of the control device.</p> <p>i. Select the sampling port location and the number of traverse points; and</p> <p>ii. Determine the O<sub>2</sub> concentration of the stationary RICE exhaust at the sampling port location; and</p> <p>iii. Measure moisture content of the stationary RICE exhaust at the sampling port location; and</p> <p>iv. Measure formaldehyde at the exhaust of the stationary RICE; or</p> <p>v. Measure CO at the exhaust of the stationary RICE.</p> | <p>(1) Method 320 of 40 CFR part 63, appendix A; or ASTM D6348–03<sup>c</sup>, provided in ASTM D6348–03 Annex A5 (Analyte Spiking Technique), the percent R must be greater than or equal to 70 and less than or equal to 130..</p> <p>(1) Method 1 or 1A of 40 CFR part 60, appendix A § 63.7(d)(1)(i).</p> <p>(1) Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522–00 (2005).</p> <p>(1) Method 4 of 40 CFR part 60, appendix A, or Test Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348–03.</p> <p>(1) Method 320 of 40 CFR part 63, appendix A; or ASTM D6348–03<sup>c</sup>, provided in ASTM D6348–03 Annex A5 (Analyte Spiking Technique), the percent R must be greater than or equal to 70 and less than or equal to 130.</p> <p>(1) Method 10 of 40 CFR part 60, appendix A, ASTM Method D6522–00 (2005)<sup>a</sup>, Method 320 of 40 CFR part 63, appendix A, or ASTM D6348–03.</p> | <p>(a) Formaldehyde concentration must be at 15 percent O<sub>2</sub>, dry basis. Results of this test consist of the average of the three 1-hour or longer runs.</p> <p>(a) If using a control device, the sampling site must be located at the outlet of the control device.</p> <p>(a) Measurements to determine O<sub>2</sub> concentration must be made at the same time and location as the measurements for formaldehyde concentration.</p> <p>(a) Measurements to determine moisture content must be made at the same time and location as the measurements for formaldehyde concentration.</p> <p>(a) Formaldehyde concentration must be at 15 percent O<sub>2</sub>, dry basis. Results of this test consist of the average of the three 1-hour or longer runs.</p> <p>(a) CO concentration must be at 15 percent O<sub>2</sub>, dry basis. Results of this test consist of the average of the three 1-hour longer runs.</p> |

<sup>a</sup>You may also use Methods 3A and 10 as options to ASTM–D6522–00 (2005). You may obtain a copy of ASTM–D6522–00 (2005) from at least one of the following addresses: American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428–2959, or University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106. ASTM–D6522–00 (2005) may be used to test both CI and SI stationary RICE.

<sup>b</sup>You may also use Method 320 of 40 CFR part 63, appendix A, or ASTM D6348–03.

<sup>c</sup>You may obtain a copy of ASTM–D6348–03 from at least one of the following addresses: American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428–2959, or University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106.

[75 FR 9682, Mar. 3, 2010]

TABLE 5 TO SUBPART ZZZZ OF PART 63—INITIAL COMPLIANCE WITH EMISSION LIMITATIONS AND OPERATING LIMITATIONS

As stated in §§ 63.6612, 63.6625 and 63.6630, you must initially comply with the emission and operating limitations as required by the following:

| For each . . .  | Complying with the requirement to . . .                                | You have demonstrated initial compliance if . . .  |
|---|--|--|
| 1. 2SLB and 4SLB stationary RICE >500 HP located at a major source and new or reconstructed CI stationary RICE >500 HP located at a major source. | a. Reduce CO emissions and using oxidation catalyst, and using a CPMS. | <p>i. The average reduction of emissions of CO determined from the initial performance test achieves the required CO percent reduction; and</p> <p>ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in § 63.6625(b); and</p> |

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| For each . . .  | Complying with the requirement to . . .   | You have demonstrated initial compliance if . . .  |
|---|---|--|
| 2. 2SLB and 4SLB stationary RICE >500 HP located at a major source and new or reconstructed CI stationary RICE >500 HP located at a major source. | a. Reduce CO emissions and not using oxidation catalyst.  | <ul style="list-style-type: none"> <li>iii. You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.</li> <li>i. The average reduction of emissions of CO determined from the initial performance test achieves the required CO percent reduction; and</li> <li>ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in § 63.6625(b); and</li> <li>iii. You have recorded the approved operating parameters (if any) during the initial performance test.</li> </ul>  |
| 3. 2SLB and 4SLB stationary RICE >500 HP located at a major source and new or reconstructed CI stationary RICE >500 HP located at a major source. | a. Reduce CO emissions, and using a CEMS.   | <ul style="list-style-type: none"> <li>i. You have installed a CEMS to continuously monitor CO and either O<sub>2</sub> or CO<sub>2</sub> at both the inlet and outlet of the oxidation catalyst according to the requirements in § 63.6625(a); and</li> <li>ii. You have conducted a performance evaluation of your CEMS using PS 3 and 4A of 40 CFR part 60, appendix B; and</li> <li>iii. The average reduction of CO calculated using § 63.6620 equals or exceeds the required percent reduction. The initial test comprises the first 4-hour period after successful validation of the CEMS. Compliance is based on the average percent reduction achieved during the 4-hour period.</li> </ul> |
| 4. 4SRB stationary RICE >500 HP located at a major source.  | a. Reduce formaldehyde emissions and using NSCR.  | <ul style="list-style-type: none"> <li>i. The average reduction of emissions of formaldehyde determined from the initial performance test is equal to or greater than the required formaldehyde percent reduction; and</li> <li>ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in § 63.6625(b); and</li> <li>iii. You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.</li> </ul>  |
| 5. 4SRB stationary RICE >500 HP located at a major source.  | a. Reduce formaldehyde emissions and not using NSCR.  | <ul style="list-style-type: none"> <li>i. The average reduction of emissions of formaldehyde determined from the initial performance test is equal to or greater than the required formaldehyde percent reduction; and</li> <li>ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in § 63.6625(b); and</li> <li>iii. You have recorded the approved operating parameters (if any) during the initial performance test.</li> </ul>  |
| 6. Stationary RICE >500 HP located at a major source.   | a. Limit the concentration of formaldehyde in the stationary RICE exhaust and using oxidation catalyst or NSCR. | <ul style="list-style-type: none"> <li>i. The average formaldehyde concentration, corrected to 15 percent O<sub>2</sub>, dry basis, from the three test runs is less than or equal to the formaldehyde emission limitation; and</li> <li>ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in § 63.6625(b); and</li> <li>iii. You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.</li> </ul>   |

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| For each . . .  | Complying with the requirement to . . .   | You have demonstrated initial compliance if . . .  |
|---|---|--|
| 7. Stationary RICE >500 HP located at a major source.   | a. Limit the concentration of formaldehyde in the stationary RICE exhaust and not using oxidation catalyst or NSCR. | i. The average formaldehyde concentration, corrected to 15 percent O <sub>2</sub> , dry basis, from the three test runs is less than or equal to the formaldehyde emission limitation; and<br>ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in § 63.6625(b); and<br>iii. You have recorded the approved operating parameters (if any) during the initial performance test. |
| 8. Existing stationary non-emergency RICE ≥100 HP located at a major source, existing non-emergency CI stationary RICE >500 HP, and existing stationary non-emergency RICE ≥100 HP located at an area source. | a. Reduce CO or formaldehyde emissions.   | i. The average reduction of emissions of CO or formaldehyde, as applicable determined from the initial performance test is equal to or greater than the required CO or formaldehyde, as applicable, percent reduction.   |
| 9. Existing stationary non-emergency RICE ≥100 HP located at a major source, existing non-emergency CI stationary RICE >500 HP, and existing stationary non-emergency RICE ≥100 HP located at an area source. | a. Limit the concentration of formaldehyde or CO in the stationary RICE exhaust.                                    | i. The average formaldehyde or CO concentration, as applicable, corrected to 15 percent O <sub>2</sub> , dry basis, from the three test runs is less than or equal to the formaldehyde or CO emission limitation, as applicable.   |

[75 FR 9684, Mar. 3, 2010]

TABLE 6 TO SUBPART ZZZZ OF PART 63—CONTINUOUS COMPLIANCE WITH EMISSION LIMITATIONS AND OPERATING LIMITATIONS

As stated in § 63.6640, you must continuously comply with the emissions and operating limitations as required by the following:

| For each . . .   | Complying with the requirement to . . .                                       | You must demonstrate continuous compliance by . . .   |
|--|---|---|
| 1. 2SLB and 4SLB stationary RICE >500 HP located at a major source and CI stationary RICE >500 HP located at a major source. | a. Reduce CO emissions and using an oxidation catalyst, and using a CPMS.     | i. Conducting semiannual performance tests for CO to demonstrate that the required CO percent reduction is achieved <sup>a</sup> ; and<br>ii. Collecting the catalyst inlet temperature data according to § 63.6625(b); and<br>iii. Reducing these data to 4-hour rolling averages; and<br>iv. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and<br>v. Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the performance test. |
| 2. 2SLB and 4SLB stationary RICE >500 HP located at a major source and CI stationary RICE >500 HP located at a major source. | a. Reduce CO emissions and not using an oxidation catalyst, and using a CPMS. | i. Conducting semiannual performance tests for CO to demonstrate that the required CO percent reduction is achieved <sup>a</sup> ; and<br>ii. Collecting the approved operating parameter (if any) data according to § 63.6625(b); and<br>iii. Reducing these data to 4-hour rolling averages; and<br>iv. Maintaining the 4-hour rolling averages within the operating limitations for the operating parameters established during the performance test.  |